

Significant Figures Worksheet

PART 1:

How many significant figures are in each of the following numbers?

- | | |
|-------------------|---------------------------------|
| 1) 5.40 _____ | 6) 1.2×10^3 _____ |
| 2) 210 _____ | 7) 0.00120 _____ |
| 3) 801.5 _____ | 8) 0.0102 _____ |
| 4) 1,000 _____ | 9) 9.010×10^{-6} _____ |
| 5) 101.0100 _____ | 10) 2,370.0 _____ |

Round these numbers to 3 significant digits.

- 11) 1,566,311
- 12) 2.7651×10^{-3}
- 13) 84,592
- 14) 0.0011672
- 15) 0.07759

PART 2:

Determine the number of significant figures that answer should have (do not do the calculations)

- | | |
|-------------------------------|-----------------------------|
| 1) $14.22 + 15.1 + 639$ _____ | 2) $1300.95 - 284.15$ _____ |
| 3) $16.94 * 10.2 * 100$ _____ | 4) $27.613 / 15.22$ _____ |

Determine the answer with the correct number of significant figures for each

- 1) $1.234 + 12.34 + 123.4 + 1234 + 12430$
- 2) $679.54 - 4.124$
- 3) $0.00456 * 100.0$
- 4) $14,799 / 3$